

Test Equipment for Metal Detectors and X-ray Detectors.

With certificate of conformity.



Test Equipment for Metal and X-ray Detectors






Test equipment (test sticks, test cards etc.) are used as checking aids for metal detectors and X-ray detectors within the context of quality assurance.

There is a certified sample (ball or wire) made of metal, glass, ceramic, zirconia, plastic, or rubber inside the test piece. When checking a metal detector or an X-ray detector, the test equipment must be transported through the detector. By doing this, it is easy to check if this certain detector finds that sample without fail.


A variety of different shapes, sizes and sample materials are available to achieve an optimal adaptation to your production process.

All test equipment will be shipped with a certificate, i.e. for presentation during audit. Test pieces are available in your favoured colour, too. It is even possible to produce variant forms or dimensions according to your wishes.






Test Equipment for Metal Detectors:

Design	Dimensions	Housing Material	Housing Colors
 Test stick, PMMA	50 x 10 x 10 mm 75 x 10 x 10 mm 100 x 10 x 10 mm 100 x 20 x 20 mm 100 x 30 x 30 mm 100 x 40 x 40 mm	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> Standard plastic, suitable for direct contact with food.	blue transparent yellow transparent green transparent clear red transparent black transparent
 Test stick, POM	50 x 10 x 10 mm 75 x 10 x 10 mm 100 x 10 x 10 mm 100 x 20 x 20 mm 100 x 30 x 30 mm	<p>POM Polyoxymethylene, Acetal, Delrin®</p> High quality, break-resistant and antistatic plastic, suitable for direct contact with food.	blue yellow green red
 Test stick, PTFE	50 x 10 x 10 mm 75 x 10 x 10 mm 100 x 10 x 10 mm 100 x 20 x 20 mm 100 x 30 x 30 mm	<p>PTFE Polytetrafluoroethylene, Teflon®</p> High quality non-stick plastic, suitable for direct contact with food.	white with colored writing: blue yellow green red black
 Test thorn, POM	120 x Ø 10 mm	<p>POM Polyoxymethylene, Acetal, Delrin®</p> High quality, break-resistant and antistatic plastic, suitable for direct contact with food.	blue yellow green red
 Test thorn, PTFE	150 x 10 x 10 mm	<p>PTFE Polytetrafluoroethylene, Teflon®</p> High quality non-stick plastic, suitable for direct contact with food.	white with colored writing: blue yellow green red black




Test Equipment for Metal Detectors:

Design	Dimensions	Housing Material	Housing Colors
 <p>Test card, PMMA</p>	<p>80 x 40 x 5 mm 80 x 40 x 10 mm 80 x 40 x 20 mm 80 x 40 x 30 mm</p>	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> <p>Standard plastic, suitable for direct contact with food.</p>	<p>blue transparent yellow transparent green transparent clear red transparent black transparent</p>
 <p>Test card, PTFE</p>	<p>80 x 40 x 5 mm 80 x 40 x 10 mm 80 x 40 x 20 mm 80 x 40 x 30 mm</p>	<p>PTFE Polytetrafluoroethylene, Teflon®</p> <p>High quality non-stick plastic, suitable for direct contact with food.</p>	<p>white with colored writing:</p> <p>blue yellow green red black</p>
 <p>Test disc, PMMA</p>	<p>Ø 15 x 5/10 mm Ø 20 x 5/10/20 mm Ø 25 x 5/10/20 mm Ø 30 x 5/10/20 mm Ø 35 x 5/10/20 mm Ø 45 x 30 mm</p>	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> <p>Standard plastic, suitable for direct contact with food.</p>	<p>blue transparent yellow transparent green transparent clear red transparent black transparent</p>
 <p>Test disc, POM</p>	<p>Ø 25 x 10 mm Ø 40 x 10 mm Ø 40 x 20 mm Ø 40 x 30 mm</p>	<p>POM Polyoxymethylene, Acetal, Delrin®</p> <p>High quality, break-resistant and antistatic plastic, suitable for direct contact with food.</p>	<p>blue yellow green red</p>
 <p>Test disc, PTFE</p>	<p>Ø 15 x 5/10 mm Ø 20 x 5/10/20 mm Ø 25 x 5/10/20 mm Ø 30 x 5/10/20 mm Ø 35 x 5/10/20 mm Ø 45 x 30 mm</p>	<p>PTFE Polytetrafluoroethylene, Teflon®</p> <p>High quality non-stick plastic, suitable for direct contact with food.</p>	<p>white with colored writing:</p> <p>blue yellow green red black</p>

Test Equipment for Metal Detectors:






Design	Dimensions	Housing Material	Housing Colors
 <p>Test tag, PMMA</p>	<p>50 x 30 x 5 mm 50 x 30 x 10 mm 50 x 30 x 20 mm</p>	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> <p>Standard plastic, suitable for direct contact with food.</p>	<p>blue transparent yellow transparent green transparent clear red transparent black transparent</p>
 <p>Test ball, POM</p>	<p>Ø 35 mm Ø 30 mm Ø 25 mm Ø 20 mm</p>	<p>POM Polyoxymethylene, Acetal, Delrin®</p> <p>High quality, break-resistant and antistatic plastic, suitable for direct contact with food.</p>	<p>blue yellow green red</p>
 <p>Test capsule, POM</p>	<p>25 x Ø 10 mm</p>	<p>POM Polyoxymethylene, Acetal, Delrin®</p> <p>High quality, break-resistant and antistatic plastic, suitable for direct contact with food.</p>	<p>blue yellow green red</p>
 <p>Test weight with sample, PTFE</p>	<p>depending on the weight</p>	<p>PTFE Polytetrafluoroethylene, Teflon®</p> <p>High quality non-stick plastic, suitable for direct contact with food.</p>	<p>white with colored writing:</p> <p>blue yellow green red black</p>
 <p>Flexible test stick without handle</p>	<p>Ø 6 x 300 mm Ø 8 x 300 mm Ø 10 x 300 mm Ø 12 x 300 mm</p>	<p>PA Polyamide, Nylon</p> <p>Elastic plastic, suitable for direct contact with food.</p>	<p>white with colored marking:</p> <p>blue yellow green red</p>

Test Equipment for Metal Detectors:

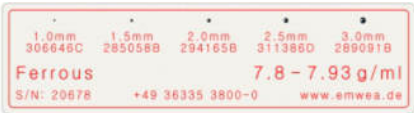




Design	Dimensions	Housing Material	Housing Colors
 <p>Flexible test stick with 1 sample</p>	<p>Hose: Ø 6 x 500 mm Ø 8 x 500 mm Ø 10 x 500 mm Ø 12 x 500 mm</p> <p>Handle: 100 x 10 x 10 mm 100 x 20 x 20 mm Total length 600 mm</p>	<p>Hose: PA Polyamide, Nylon</p> <p>Handle: PMMA Polymethyl methacrylate, Acrylic glass</p>	<p>white with colored handle:</p> <p>blue transparent yellow transparent green transparent clear red transparent black transparent</p>
 <p>Flexible test stick with 2 samples</p>	<p>Hose: Ø 6 x 300 mm</p> <p>Handle: 100 x 10 x 10 mm Total length 700 mm</p>	<p>Hose: PA Polyamide, Nylon</p> <p>Handle: PMMA Polymethyl methacrylate, Acrylic glass</p>	<p>white with colored handle:</p> <p>blue transparent yellow transparent green transparent clear red transparent black transparent</p>
 <p>Flexible T stick with 1 sample</p>	<p>Hose: Ø 6 x 500 mm Ø 8 x 500 mm Ø 10 x 500 mm Ø 12 x 500 mm</p> <p>Handle: 100 x 40 x 10 mm 100 x 40 x 20 mm Total length 540 mm</p>	<p>Hose: PA Polyamide, Nylon</p> <p>Handle: PTFE Polytetrafluorethylen, Teflon®</p>	<p>white with colored writing:</p> <p>blue yellow green red black</p>








Test Equipment for X-ray Detectors:

Design	Dimensions	Housing Material	Housing Colors
 <p>Flexible test card with 1 sample</p>	96 x 38 mm	<p>Special laminate</p> <p>Semi-matt with a high-quality feel and long service life. Included ziplock bag suitable for direct contact with food.</p>	<p>white with colored marking:</p> <p>all RGB colors possible</p>
 <p>Flexible test card with 2-8 samples</p>	96 x 38 mm	<p>Special laminate</p> <p>Semi-matt with a high-quality feel and long service life. Included ziplock bag suitable for direct contact with food.</p>	<p>white with colored marking:</p> <p>all RGB colors possible</p>
 <p>Flexible test card with 10 samples</p>	96 x 38 mm	<p>Special laminate</p> <p>Semi-matt with a high-quality feel and long service life. Included ziplock bag suitable for direct contact with food.</p>	<p>white with colored marking:</p> <p>all RGB colors possible</p>
 <p>Flexible test card with 100 samples</p>	96 x 96 mm	<p>Special laminate</p> <p>Semi-matt with a high-quality feel and long service life. Included ziplock bag suitable for direct contact with food.</p>	<p>white with colored marking:</p> <p>all RGB colors possible</p>
 <p>Flexible test card, bespoke</p>	<p>96 x 38 mm 96 x 96 mm bespoke dimensions</p>	<p>Special laminate</p> <p>Semi-matt with a high-quality feel and long service life. Included ziplock bag suitable for direct contact with food.</p>	<p>white with colored marking:</p> <p>all RGB colors possible</p>

Test Equipment for X-ray Detectors:

Design	Dimensions	Housing Material	Housing Colors
 <p>Test card with 1-5 samples, PMMA</p>	<p>150 x 40 x 5 mm 150 x 40 x 10 mm</p>	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> <p>Standard plastic, suitable for direct contact with food.</p>	<p>clear with colored writing:</p> <p>blue yellow green red black</p>
 <p>Test card, bespoke, PMMA</p>	<p>150 x 40 x 5 mm 150 x 40 x 10 mm bespoke dimensions</p>	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> <p>Standard plastic, suitable for direct contact with food.</p>	<p>clear with colored writing:</p> <p>blue yellow green red black</p>
 <p>Test card, Foamalux™</p>	<p>80 x 40 x 10 mm</p>	<p>Foamalux™ Polyvinyl chloride, PVC rigid foam</p> <p>Closed-cell foam plastic, suitable for direct contact with food.</p>	<p>beige with brown writing</p>
 <p>Test stick, PMMA</p>	<p>50 x 10 x 5 mm 50 x 10 x 10 mm 75 x 10 x 5 mm 75 x 10 x 10 mm 100 x 10 x 5 mm 100 x 10 x 10 mm</p>	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> <p>Standard plastic, suitable for direct contact with food.</p>	<p>clear with colored writing:</p> <p>blue yellow green red black</p>
 <p>Test disc, PMMA</p>	<p>Ø 15 x 5/10 mm Ø 20 x 5/10 mm Ø 25 x 5/10 mm Ø 30 x 5/10 mm Ø 35 x 5/10 mm</p>	<p>PMMA Polymethyl methacrylate, Acrylic glass</p> <p>Standard plastic, suitable for direct contact with food.</p>	<p>clear with colored writing:</p> <p>blue yellow green red black</p>

Test Equipment for X-ray Detectors:

Design	Dimensions	Housing Material	Housing Colors
 <p>Test ball, Foamalux™</p>	<p>Ø 30 mm</p>	<p>Foamalux™ Polyvinyl chloride, PVC rigid foam</p> <p>Closed-cell foam plastic, suitable for direct contact with food.</p>	<p>beige with brown writing</p>
 <p>Flexible test stick with handle</p>	<p>Hose: Ø 4 x 500 mm Ø 6 x 500 mm Ø 8 x 500 mm Ø 10 x 500 mm Ø 12 x 500 mm</p> <p>Handle: 100 x 10 x 10 mm 100 x 20 x 20 mm</p> <p>Total length 600 mm</p>	<p>Hose: PA Polyamide, Nylon</p> <p>Handle: PMMA Polymethyl methacrylate, Acrylic glass</p>	<p>white with colored handle:</p> <p>blue transparent yellow transparent green transparent clear red transparent black transparent</p>
 <p>Flexible test stick without handle</p>	<p>Ø 4 x 300 mm Ø 6 x 300 mm Ø 8 x 300 mm Ø 10 x 300 mm Ø 12 x 300 mm</p>	<p>PA Polyamide, Nylon</p> <p>Elastic plastic, suitable for direct contact with food.</p>	<p>white with colored marking:</p> <p>blue yellow green red</p>
 <p>Flexible test stick with 2 samples</p>	<p>Hose: Ø 6 x 300 mm</p> <p>Handle: 100 x 10 x 10 mm</p> <p>Total length 700 mm</p>	<p>Hose: PA Polyamide, Nylon</p> <p>Handle: PMMA Polymethyl methacrylate, Acrylic glass</p>	<p>white with colored handle:</p> <p>blue transparent yellow transparent green transparent clear red transparent black transparent</p>
 <p>Flexible T stick with 1 sample</p>	<p>Hose: Ø 6 x 500 mm Ø 8 x 500 mm Ø 10 x 500 mm Ø 12 x 500 mm</p> <p>Handle: 100 x 40 x 10 mm 100 x 40 x 20 mm</p> <p>Total length 540 mm</p>	<p>Hose: PA Polyamide, Nylon</p> <p>Handle: PTFE Polytetrafluorethylen, Teflon®</p>	<p>white with colored writing:</p> <p>blue yellow green red black</p>

Sample Materials:

Category	Material	Shape
Ferrous	Chrome steel 1.3505 AISI 52100	Sphere
Non-Ferrous	Brass CuZn35	Sphere
Bronze	Phosphor bronze PB104	Sphere
Copper	Copper Cu	Sphere, wire
Stainless steel	Stainless steel 1.4401 AISI 316	Sphere, wire
	Stainless steel 1.4301 AISI 304	
	Stainless steel 1.4034 AISI 420C	Sphere
	Stainless steel 1.4125 AISI 440C	
Titanium	Titanium Ti	Sphere
Lead	Lead Pb	Sphere
Glass	Soda-lime glass (SLG)	Sphere
	Fused quartz (Fused silica)	
	Borosilicate glass	
	Crystal glass	
Ceramic	Ceramic (Aluminium oxide, Alumina, Al ₂ O ₃)	Sphere
Zirconia	Zirconia (Zirconium dioxide, Fianit, ZrO ₂)	Sphere
Plastic	PA (Polyamide, Nylon)	Sphere
	POM (Polyoxymethylene, Acetal, Delrin®)	
	PTFE (Polytetrafluorethylene, Teflon®)	
Rubber	AB (Nitrile rubber)	Sphere

Test equipment case for commissioning and quality management

Individual compilation of test equipment in a sturdy transport case, including a USB stick with test certificates.



Bespoke Test Equipment

We are also happy to produce test equipment in desired dimensions, with desired labeling or individual combinations of different samples.

Trademark Information

Teflon® and Delrin® are registered trademarks of DuPont de Nemours Corp.

Foamalux™ is a trademark of Brett Martin Ltd.



EmWeA Prozessmesstechnik e.K.
Am Hagen 3
99735 Werther
Germany

Any question? →

Phone: +49 36335 3800-0

info@emwea.de
www.emwea.de

© EmWeA Prozessmesstechnik e.K. • Subject to change without prior notice!